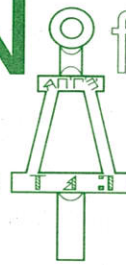


The BULLETIN of Tau Beta Pi

to provide information to the collegiate chapters

September 1998



Tau Bates Maneuver in Manhattan

MANHATTAN KANSAS, known as the "Little Apple," is the home of Kansas State University, a land-grant school started in 1863 with 106 students and which now enrolls more than 20,000.

The scenery surrounding the school is the Konza Prairie; the institution owns or leases more than 14,000 acres in 19 counties for agricultural research.

Engineering research expanded over the years, and in 1974 Tau Beta Pi installed Kansas Gamma

to recognize engineering students with excellent scholarship and strong character. Today the college of engineering at KSU enrolls nearly 2,000 undergraduates and 500 graduate students. The college's eight departments offer degrees in traditional engineering disciplines, and the school is recognized for its advanced manufacturing institute, the center for transportation research and training, and engineering outreach programs.

Kansas Gamma members are proud to host the 1998 Convention and to introduce delegates to Manhattan and the engineering campus. Arrangements co-chairs Heather V. Rectanus, KS Γ '98, and Brian J. Budke, KS Γ '99, and their enthusiastic crew have booked the Holiday Inn Holidome two miles from the engineering campus to accommodate the 400-plus attendees. All meetings and four meals will be at the hotel. Most attendees will be flying to Kansas City, MO, and traveling by bus to Manhattan, KS.



Delegates, national officers, and other attendees will arrive in Manhattan on October 8-10 for business meetings, tours, Engineering Futures sessions, chapter and individual awards, and other activities. Expenses of one student delegate per chapter and the on-site expenses of chapter advisors will be paid by the Association. Non-voting delegates and alumni are welcome to attend at their own expense.

Our 93rd national Convention may be your convention opportunity of a lifetime. Don't miss this stimulating and wonderful experience! For more information and reservations, contact the Tau Beta Pi national headquarters before September 25.

The purpose of the annual Convention, which officially begins Thursday afternoon, is to conduct the business of Tau Beta Pi. Delegates, who are usually presidents or chapter officers, convene to oversee the Society's fiscal and governmental policies, choose the major chapter award winners, prepare for Dis-

trict conferences, learn more about the Tau Beta Pi election and initiation process, receive leadership training, and plan future Conventions. They are assisted in monitoring the Association's activities by the Executive Council and various national officers and chapter advisors.

A special event of this Convention will be the inauguration of the new Mid-Atlantic Executive Council to serve the Association during 1998-

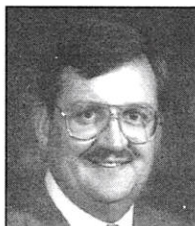
2002. Tau Beta Pi is grateful for the leadership of the outgoing Great Lakes Council led by President Ed Basta. During its tenure, the national headquarters offices have been renovated and computers were upgraded.

The delegates themselves are the legislative, executive, and judicial body of this primarily student-run organization. Each delegate arrives ready to participate directly in the business and has already been assigned to one of the eight Convention committees. National officers serve as committee advisors.

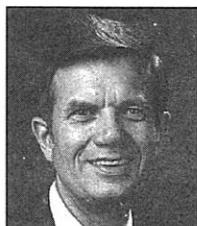
Each committee elects a student chair to conduct its internal affairs and represent the committee on the Convention floor. Any Constitution or Bylaw changes brought forth from the committees are voted on by the Convention during the major business meetings.

This year eight standing committees will survey the Association. Their advisors and major responsibilities are briefly outlined on the following page.

TAU BETA PI 1994-98 EXECUTIVE COUNCIL



Edward D. Basta
OH E '82
President



E. William Beans
OH F '53
Vice President



Robert O. Barr Jr.
MI F '61
Councillor



Molly K. Brennan
MI A '82
Councillor

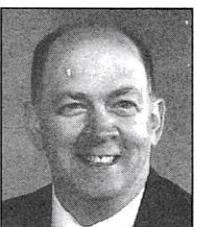


John R. Luchini
MI F '71
Councillor

NATIONAL OFFICERS & DIRECTORS



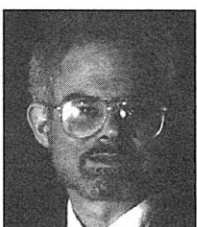
James D. Froula
TN A '67
Secretary-Treasurer



Roger E. Hawks
NY A '75
Asst. Sec.-Treas.



D. Stephen Pierre Jr.
AL E '90
Director of Fellowships



Alan R. Hirsch
MA B '66
Director of Rituals



Ronald M. Hickling
CA E '80
Director of
Engineering Futures

Committees:

Constitution and Bylaws. Heather E. Havens, advisor. Two subjects have been assigned for direct consideration: a proposal to add the "Executive Director" title to that of "Secretary-Treasurer" and a proposal to eliminate an address update of each advisory board.

Chapter and National Financial Affairs. Henry H. Houh, advisor. Committee members are charged to: determine allowable delegates' expenses for the 1999 Convention; review the chapter accounts receivable to the national headquarters; review the annual reports of the Association's auditor and Secretary-Treasurer; and review a proposal regarding chapter fines.

Rituals. Alan R. Hirsch, Director of Rituals and committee advisor. Members of this group will consider any proposals for ritual changes that may come from the Director of Rituals or others and will prepare the Model Initiation at the Convention. The initiates will be those of the Kansas Gamma Chapter. Members will ensure that the ritual shall be conducted with "due formality and elegance."

Convention Site. Kelly J. Hammar, advisor. Delegates from this committee learned that the proposal of three chapters to host the 2000 Convention at the Westin San Francisco Airport Hotel has been approved by the Executive Council. California Gamma will be assisted by the Alpha and Zeta Chapters. Wisconsin Alpha at the University of Wisconsin-Madison is hosting the Convention next year. In accord with the Constitution, the Convention site may not be selected more than three years in advance. An invitation from Ohio Gamma at Ohio State University in Columbus has been extended to host the Convention in 2001.

Resolutions. Thomas A. Pinkham, advisor. Team members will present resolutions to the Convention at the Saturday morning business meeting and the Saturday evening Initiation and Awards Banquet.

Awards. Sarath Krishnaswamy, advisor. The principal assignment of this committee is to select the recipients of the R.C. Matthews Outstanding Chapter Award and the R.H. Nagel Most Improved Chapter Award for 1997-98. The team will select a single winner in each category and as many honorable mentions as are deserved. Winners will be announced at the awards banquet on Saturday.

Standard of Excellence Selection (ad hoc). Richard W. Meed, advisor. Members of this important group will decide whether or not to select a recipient of the 1998 Tau Beta Pi Standard of Excellence in Liberal Culture Award and will establish criteria and procedures for a new Standard of Excellence in Engineering Award.

International Chapters (ad hoc). Ellen D. Styles, advisor. Members will consider issues which may arise if and when a non-U.S. institution petitions for a chapter.

Engineering Futures —

Active Leadership Training!

Ronald M. Hickling, Russell W. Pierce, all Facilitators, and advisors.

While the business is conducted throughout the Convention, delegates will also have the opportunity to explore ways to develop their own leadership skills, to improve their local chapters, and to strengthen District ties.

The Convention itself is organized to assist the delegates in their roles as chapter leaders. The opening orientation is a lesson in parliamentary procedure. Parliamentarian James W. Johnson Jr. will act as a role model for delegates as they observe *Robert's Rules of Order*. Convention Chair Steve Pierre will cordially lead the major meetings throughout the three days of scheduled events.

Non-voting delegates will be involved in Engineering Futures training sessions Thursday and Friday. This program is designed to teach them practical solution-oriented leadership techniques such as motivation, planning, delegation, and team building. Voting delegates who complete their committee assignments should join the sessions in progress.

An *ad hoc* focus group led by Councilor-elect Catherine P. Rice will involve volunteer non-voting delegates Thursday and Friday in reviewing new Tau Beta Pi marketing materials.

District Directors will be meeting with chapter delegates daily to assist them with organizing their local chapter activities and with planning District conferences and other events for the year. Chapter advisors have separate daily meetings.

Officers can familiarize themselves with chapter supplies and the new insignia items (golf shirt and sports cap) available from the national headquarters by checking the Tau Beta Pi display in the hotel lobby.

Saturday evening is the highlight of the Convention when the annual Association awards will be presented. In addition to recognizing the R.C. Matthews Outstanding Chapter and the R.H. Nagel Most Improved Chapter, the 1998 Laureates and the 1998 Outstanding Advisor will be introduced. Join us in the Little Apple!

Important Deadlines:

- Fellowship Application January 15
- Laureate Nomination March 15
- Outstanding Advisor Nomination March 21
- Standard of Excellence Nomination May 31
- GIG Project Proposal May 31
- 2002 Convention Bid June 1

Tau Beta Pi National Fees

All new members of Tau Beta Pi are charged the same national fee regardless of whether they are students, alumni, or eminent engineers. The chapter collects the national fee, plus any local charges it decides it needs for its own operations, at the time of initiation. The average total membership fee in all chapters is \$60.86.

National charges for membership are in two parts, \$27 as the initiation fee and \$3 as the Convention assessment, for a total of \$30 per person.

The Convention expenses of one student delegate per collegiate chapter are paid out of the fund accumulated from the \$3 assessment and other sources.

The initiation fee covers the following items for each new member:

Official engraved Bent key	\$7.10
Official membership certificate	3.40
Copy of Constitution, Information booklet, etc.	1.00
THE BULLETIN subscription	1.00
Four-year BENT subscription	8.40
Expenses of the Association	6.10

Total Initiation fee \$27.00

TBPI Best Scholarship for M.B.A. at RPI

Through the interest and generosity of the Best family, a trust fund in memory of Ina C. and Raymond A. Best, NY F '33, has been established to earn income for the purposes of granting scholarships to graduate engineers who have been initiated into Tau Beta Pi to be used exclusively for the purpose of studying business administration at Rensselaer Polytechnic Institute and for acquiring a master's degree in business.

Application will be made on the 1999-00 Tau Beta Pi Fellowship application form — available now — and mailed to the Director of Fellowships by January 15, 1999. The amount of the award is \$10,000, payable in 10 monthly installments starting in August 1999. Tau Bates who are interested in earning an M.B.A. at Rensselaer are encouraged to apply.

National Advisor Award

In 1996, the Convention inaugurated the Tau Beta Pi National Outstanding Advisor Award Program after a three-year trial. Details of the program and the nomination process appear on page C-31 of the President's Book.

Nominations should be sent to the national headquarters in Knoxville, TN, by March 21.

1998 CONVENTION SCHEDULE

Manhattan, Kansas

Thursday, October 8

9:00 a.m. —	
2:50 p.m.	Convention registration, area tours, and free time
9:00 a.m.	Headquarters display, throughout Convention
2:50 p.m.	Credentials deadline
3:00 p.m.	First business meeting
4:10 p.m.	Committee & Engineering Futures meetings
5:20 p.m.	District meetings
5:20 p.m.	Orientation for Committee Chairs
6:30 p.m.	Welcome dinner
8:00 p.m.	Committee & Engineering Futures meetings
9:30 p.m.	Advisor/Alumnus delegate meeting

Friday, October 9

7:30 a.m.	Breakfast (Individual option)
8:30 a.m.	Second business meeting
10:40 a.m.	District meetings
12:00 noon	Luncheon (Secretary's Commendations, ICE presentation)
1:30 p.m.	Committee & Engineering Futures meetings
3:30 p.m.	Refreshments
3:45 p.m.	Interactive Chapter Exchange
6:30 p.m.	Dinner (Project Awards)
8:00 p.m.	Committee & Engineering Futures meetings
8:30 p.m.	Forum on issues with Executive Councillors (optional)

Saturday, October 10

7:30 a.m.	Continental breakfast with District-conference hosts
8:00 a.m.	District meetings & continental breakfast
9:30 a.m.	Third business meeting
10:30 a.m.	Refreshment break
10:45 a.m.	Third business meeting, continued
12:00 noon	Buses to campus (until 12:30)
12:15 p.m.	Luncheon
1:30 p.m.	Model Initiation
2:30 p.m.	Group photo
2:45 p.m.	Buses to hotel (until 5:00)
2:50 p.m.	Campus Tours & Free time
3:00 p.m.	Chapter Advisor wrap-up meeting
6:30 p.m.	Initiation and Awards Banquet, Final business meeting, and adjournment
9:00 p.m.	Post-Convention relaxation (optional)

1999 National Engineers Week, February 21-27

The 48th anniversary of National Engineers Week will be celebrated in Washington, DC, when delegates from major corporations and engineering societies will gather at a black-tie dinner. Guests include honorary chairs, congressional and governmental representatives, and other dignitaries. Corporate leaders from all 50 states, who are the current team of National Engineers Week all-stars, will attend to exchange information about activities and outreach programs in their respective states.

The goal of National Engineers Week is to increase public awareness and appreciation of the engineering profession and to educate future generations about the profession.

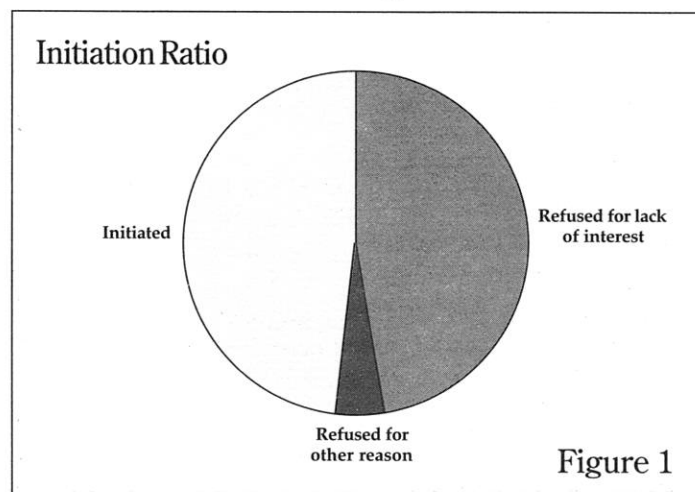
Tau Beta Pi is a contributing society for the 11th year. Two leading sponsors of the week-long event are the American Ceramic Society and Eastman Chemical in Kingsport, TN. Eastman is launching a new web site in January for junior-high students to provide career information links to academic and engineering organizations and corporations.

The seventh National Engineers Week Future City Competition™ will also take place. Six new regions will join the contest, making the total 18; 750 schools will participate in the January regionals.

JETS is sponsoring a design challenge for high-school students for the first time this year. Look for eweeek.org on the web.

1998 Chapter Survey:

I T HAS HAPPENED AGAIN. Chapter presidents report that their chapter image remains positive and at a high level, chapter advisors are well informed, and chapters regularly recognize their initiates and the hard work of their members. And yet again, fewer than half of the students elected by our chapters chose to become members of our Association, as shown in Figure 1.



This remains a paradox since presidents report that their chapters continue to be highly regarded, as clearly seen in Figure 2. Somehow this positive image does not convince the majority of elected students of the advantages, benefits, and importance of membership in the national engineering honor society.

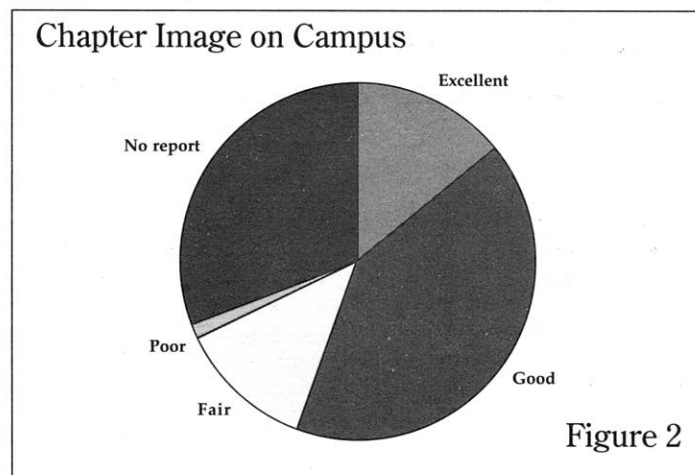


Figure 1 also shows how well our chapters initiate those students elected to join. Lack of interest continues as the primary reason students elected to membership do not join Tau Beta Pi.

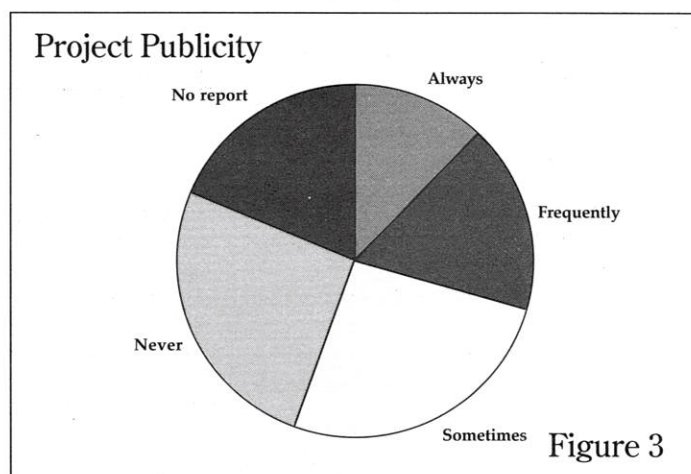
Why did *you* join? I'm sure your chapter could use a little positive advertising and sales among your classmates. If a friend is eligible and does not wish to join, find out why.

Let him or her know what your chapter does and how great it is to be a member! When **all** chapter members pull together and work as a team, you will be amazed at what can be accomplished!

Another form of disinterest affects chapter operations. Overall chapter reporting and the quality of reports received still need improvement. For example, only 155 (down from 162 last year) of 220 chapters submitted the annual survey upon which much of this analysis is based. This results in a large "no report" slices on the charts.

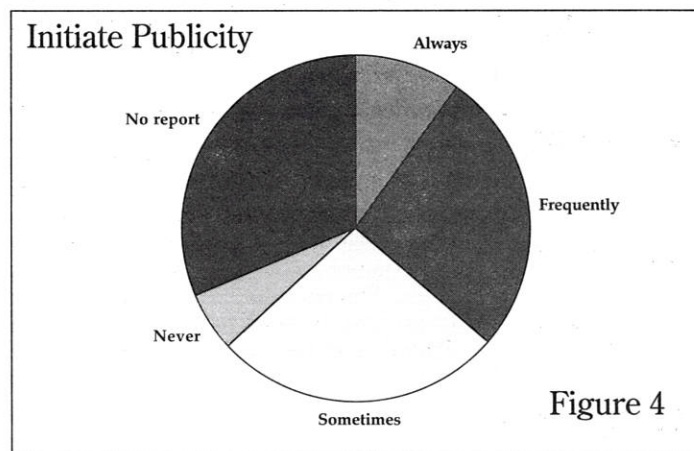
To be sure, chapters interested in performing well continue to do so. We have never had a problem identifying enough chapters to recommend for Outstanding Chapter. On the other hand, far too many chapters do not seem interested in becoming more active and improving their status. When eligible candidates notice a lack of interest among chapter officers and members or do not even know who they are, they will take their time, talent, and energy elsewhere.

All Tau Bates should take an interest in their peers, their *alma maters*, and their communities. Initiations and project participation provide golden opportunities for chapters to show support to their members through media publicity.



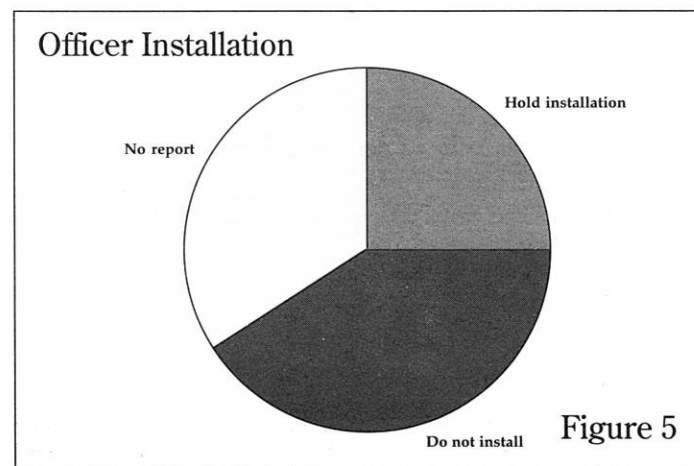
Figures 3 and 4 illustrate how often our chapters avail themselves of this opportunity to increase visibility. Nearly all chapters announce project activity, with more than half doing so frequently.

Passing on the Torch



Initiates could fare much better in the public relations arena, because they are publicized by only one-third of the chapters. This is a real image builder. Do you have a publicity chair? If not, why not!

A perennial stumbling block to operating a successful Tau Beta Pi chapter continues to be the lack of officer continuity. Some outgoing officers dump records on their successors without providing any form of training, which accounts for much of the poor reporting to Headquarters. Chapter officers have a tough time working on their chapter's image when they don't have a real clue as to how to do their job. Does this happen at your chapter? If so, start a tradition, and make this the year to alleviate that problem. Many chapters hold officer transitions at dinners for incoming and outgoing leaders. A few even hold retreats. In fact, the 1981 Convention **directed** chapters to adopt the official Chapter Officer Installation Procedure. Figure 5 illustrates the large number of chapters with the potential for substantial improvement by the implementation of



an officer installation procedure. Keep it simple, make it meaningful, but do something!

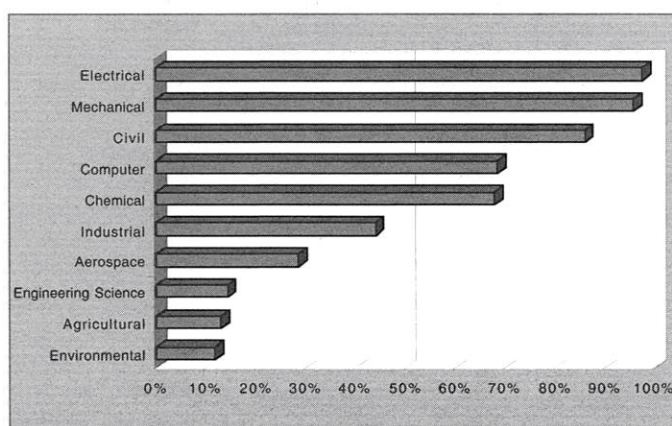
District Directors provide invaluable assistance to chapters and volunteer many hours visiting chapters and conducting Spring training conferences. Participation in your District's Spring conference provides an excellent opportunity for outgoing officers (especially presidents!) to pass on what they have learned to those who will lead. Start planning now for your chapter's attendance; send as many officers (both old and new) as you possibly can.

Chapter advisors provide invaluable experience and help to ease the yearly transition. Officers should involve them in their meetings and daily chapter operations. Nearly half of the chapters have advisors whom they consider "well informed" (Figure 6). Involving your advisors in activities can also improve student participation in your projects and attendance at your meetings. If professors consider your chapter worth their time and effort, then their students will feel the same.

A positive image takes time and effort to build and even more to maintain. Membership in Tau Beta Pi should "mark in a fitting manner those who have conferred honor upon their alma mater by distinguished scholarship and exemplary character." A positive image, visibility, and respect on campus and in the community make membership more meaningful. Accept the challenge to tell all prospective members what Tau Beta Pi stands for and why membership is indeed an honor worth achieving!

R.E.H.

Tau Beta Pi Top 10 Curricula (by % listing on Survey)



1998-99 Chapter Anniversaries

75th Connecticut Alpha December 15, 1923
Yale University

50th Texas Delta October 11, 1948
Texas A&M University

25th Florida Gamma February 16, 1974
Univ. of South Florida

California Omicron March 9, 1974

Loyola Marymount University

New York Rho May 26, 1974

Polytechnic University

22 Former Sigma Tau Chapters

January — May, 1974

**NE A, PA K, PA Λ, KY B, TN Δ, TX I,
TX K, TX Λ, NM A, NM B, OK Γ, WY A,
CO Δ, SD A, SD B, ND B, ID A, CA P,
NV A, UT Γ, OH K, and OH Λ**

'99 Fellowship Program

Tau Beta Pi's 66th annual program of graduate fellowships for study in the 1999-00 academic year will close January 15, 1999, when applications must be in the hands of Director of Fellowships D. Stephen Pierre Jr., P.E., Alabama Power Company, P.O. Box 2247, Mobile, AL 36652-2247.

Winners in the program will be selected by the Fellowship Board and notified by April 1.

Up to 20 cash awards will be given, each worth \$10,000. They will be made on the promise of future development in engineering or related fields and financial need.

All members of Tau Beta Pi are eligible to apply. Students should obtain applications from their local chapter presidents and alumni from the national headquarters.

1999 Laureate Program

Can you identify a member whose talents loom larger than his or her academic engineering expertise? That student should be a candidate for Tau Beta Pi Laureate.

Tau Beta Pi annually honors up to five collegiate members who have enriched the cultural life of the campus and community. Selected by a special committee, each Laureate is honored at an annual Convention and presented a \$2,500 cash award and a plaque.

To be considered, the chapter must identify the candidate and prepare the nomination to submit to the national headquarters in Knoxville, TN, by March 15. For further details, see pages C-28 and C-29 in the Tau Beta Pi President's Book (on the web site).

Checklist of Reports & Fees to the National Headquarters

Report/Fee	Mailed to Chapters	Send to Headquarters	Reference
1. Convention Expense Report (<i>pdf file on web</i>)	August	October 24	Bylaw I, 1.06
2. Advisor Report (<i>names/addresses</i>)	September	October 31	Bylaw V, 5.03(d)(1)
3. Officer Information Report (<i>on web</i>)	September	2 weeks after receipt	*
4. Eligibility Report (<i>orders electee materials</i>) (<i>pdf file on web</i>)	September	As soon as eligibility list is available (<i>within first 5 weeks of term</i>)	Bylaw VI, 6.04(a)
5. Election Report (Must be received/approved by Secretary-Treasurer before initiation.) (<i>pdf on web</i>)	September	As soon as electees accept (<i>2 weeks before initiation</i>)	Bylaw VI, 6.04(b)
6. Catalog Cards (<i>orders keys/certificates; allow 4 weeks before initiation to receive keys/certificates</i>)	September	With Election Report	Bylaw VI, 6.04(b)
7. Final Action Report & Roll Book signatures (<i>pdf file on web</i>)	September	1 day after initiation	Bylaw VI, 6.04(c) Bylaw VII, 7.07
8. Initiation Fees/Convention Assessments (\$27/\$3 per initiate)	N/A (Statement to chpt. treas. will follow)	10 days after initiation	Bylaw V, 5.03(e)
9. Constitution Ratification Ballot (<i>pdf file on web</i>)	October	November 24	Bylaw I, 1.05 Const. XVII, 3
10. Report of New Officers (<i>on web</i>)	Mid-December & February	2 weeks after election	Bylaw V, 5.01
11. Convention Delegate Credentials (<i>pdf file on web</i>)	February	2 weeks after election	Bylaw V, 5.03(d)(5)
12. Chapter Survey (<i>on web</i>)	March	June 1	Bylaw V, 5.03(d)(8)
13. Financial Report (<i>on web</i>)	April	May 30	Convention Action *Bylaw VIII, 8.01

The above list of required chapter reports is a guide for chapter officers. Reports, most of which are available at www.tbp.org, are mailed to the **president** at the times specified. Those on as pdf files require signatures. If you need any assistance, call the headquarters staff.

John A. Tucker Selected 1998 Outstanding Advisor

John A. Tucker, *Massachusetts Epsilon '49*, Chief Advisor of the Massachusetts Beta Chapter, has been involved with Tau Beta Pi students at MIT for 41 years, sharing his office, time, and expertise with them. He is the fifth advisor to receive Tau Beta Pi's National Outstanding Advisor Award; he will be honored during ceremonies at the 93rd annual Convention in Manhattan, KS. Vice President E. William Beans, P.E., will present a commemorative plaque and a check for \$1,000. An additional \$1,000 gift will go to Dr. John B. Vander Sande, interim dean of the engineering college, for his discretionary fund.

Referred to as a "shadow leader," John has been ever-present in the background, privately encouraging officers, instructing them in their duties, and prompting them when they have procrastinated. During his years in the shadows, he has kept other advisors informed of activities through numerous letters, e-mail messages, and personal visits. His door is always open, and more than a few times he has expressed encouraging words to prospective members who thought Tau Beta Pi might be just another line on their resumes. He provides a personal history of Tau Beta Pi initiations each term and peppers his dinner conversations at banquets with historical anecdotes. On his office wall is a collection of postcards from alumni around the world.

Fifteen years ago, John recommended that the institute have a closer relationship with the Boston Museum of Science. He encouraged the chapter leaders and electees

at the time to approach the museum and offer student aid and assistance in exchange for reduced admission fees for all institute students. The now free-admission policy encourages the students to become involved in many of the educational outreach activities of the museum. Students enjoy this privilege in exchange for annual funding of \$5,000. Initially funded by "Doc" **Harold Edgerton**, *MA B '25*, the money is now raised through a career fair and resume book sale sponsored by the institute and the Massachusetts Beta Chapter.

During the past 20 years, securing the records of scholastically eligible Tau Bates from various administrators has been difficult because of concerns about student confidentiality. John was able to interface with the administration to help chapter officers resolve concerns with the registrars so the chapter could continue to function smoothly.

To improve the visibility of Tau Beta Pi, John is helping to organize the relocation of the Bent monument on the MIT campus. He helped to dedicate the first Bent monument on campus in 1983 in the Barker Engineering Library under the great dome.

Although John has retired from his position in the electrical engineering and computer science department as director of the student internship program, he has remained active as Massachusetts Beta's chief advisor. Tau Beta Pi shines a spotlight on the man in the background with 41 years of service by bringing him to the fore and honoring him as the 1998 National Outstanding Advisor.

Educational Loan Fund

Since 1935, Tau Beta Pi has assisted student members with their financial needs while in school or with payment of their initiation fee through our Student Loan Fund. We are pleased to offer this service for student members in amounts up to \$2,500 per member.

Repayment is required after three years, and a simple interest rate of 6% is charged from the day the loan is received.

Interested students can obtain promissory notes and loan applications from their chapter presidents or directly from Secretary-Treasurer Jim Froula at the national headquarters in Knoxville, TN.

Student Assistance Fund

The Tau Beta Pi Student Assistance Fund was endowed in 1992 through the interest and generosity of C.C. Young, *Illinois Alpha '24*. Its purpose is to make funds available to student members of his and other chapters who would otherwise be without sufficient financial resources to remain in college. Repayment is not required, no interest is charged, and grantees are requested to help others in need should they become financially secure.

Interested students should write directly to Secretary-Treasurer Jim Froula at the national headquarters in Knoxville, TN.

Tau Beta Pi Employment

From time to time, a staff position at the national headquarters in Knoxville becomes available for a member of Tau Beta Pi. If you enjoy business operations, program coordination, publications, computer operations, and work with people, please mail a letter and your resume to Secretary J.D. Froula, 11108 Flotilla Drive, Knoxville, TN 37922.

Proper Use of Insignia

In accord with Constitution Article I, the Executive Council wishes to remind the chapters that it will consider requests for use of the insignia replica under the following guidelines:

1. The Bent must be upright and in proper proportion as shown in the Constitution and Bylaws Booklet or must be as described by the Centennial logo.
2. The proposed design and use of the insignia shall not cause embarrassment to Tau Beta Pi.
3. Distribution of items using the design of the name of the Association, the motto symbolization, and/or any insignia replica shall be limited to only members of Tau Beta Pi for their use only.
4. Distribution of any items bearing the name, motto symbolization, and/or insignia replica to members of more than one chapter shall be made through the central office.

Requests and designs should be submitted to the Secretary-Treasurer.

Chapters Ratify Constitutional Amendments

The 1997 Convention approved one amendment and one package of amendments to the Constitution and Bylaws of Tau Beta Pi and sent them to the chapters for ratification. In accord with the Association's amending procedure, with 219 chapters eligible to vote, 165 or more affirmative chapter votes were required to ratify an amendment, and 55 or more negative votes would defeat it.

The chapter balloting deadline was extended to March 21, 1998, and a total of 180 valid ballots was received. As reported below, the amendments were ratified by chapter vote.

<i>Amendment</i>	<i>Outcome</i>
Allow members of an Executive Council to reside anywhere. (Const. Art. III, Sec. 3[a])	Vote as of Mar. 21, 1998: 176 affirmative, 4 negative. Ratified by chapter vote.
Extend the time limits for chapter actions. (Const. Art. XVII, Sec. 3; Bylaw II, Sec. 2.02; and Bylaw XIV, Sec. 14.02)	Vote as of Mar. 21, 1998: 166 affirmative, 14 negative. Ratified by chapter vote.

Chapter Supplies Available from Tau Beta Pi Headquarters

The following items are available to your chapter from the national headquarters. The price and shipping costs of each order will be routinely charged to your chapter account and will appear on the next statement. Unless otherwise requested, delivery will be made to the chapter president. Send all orders to: Tau Beta Pi, P.O. Box 2697, Knoxville, TN 37901-2697.

AWARD CERTIFICATES: "Blank" certificates with regulation Tau Beta Pi name and Bent at the top, and gold seal at lower left. The certificates are ready for special lettering by the chapter; appropriate for chapter awards to outstanding students, faculty, and alumni. Price: \$3 each.

BENT CASTINGS (Bronze):

SMALL: Flat back, 4.7" long, \$3 each. Paper-weight with base, 4" high, \$8 each.

MEDIUM: 18" high, unpolished costs \$105 and polished costs \$300. Shipping charges average \$50 and are additional. Allow 6-8 weeks for delivery.

LARGE MONUMENT: 4-foot hollow and assembled costs:

Unpolished \$600
Polished \$1,300

Shipping charges by truck average \$275 and are additional. Allow 8-10 weeks for delivery.

BOOKMARKS: For distribution to engineering freshmen and others, free.

DISPENSERS: For Introductory Brochures (with 25 brochures), free.

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INSIGNIA REPLACEMENTS FOR STUDENTS: Certificate \$13; Key \$12.

INSIGNIA REPLACEMENTS FOR ALUMNI: Price list and order form for key and certificate are printed in each issue of THE BENT.

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Information about Tau Beta Pi

Blank Bulletin sheets (for announcements)

PRESIDENT'S BOOK: Three-ring notebook for 8.5" x 11" sheets, \$25.

PRESIDENT'S BOOK PAGES: The 1998 edition is available, free (and is on the web site).

PRINTS OF THE BENT, TAU BETA PI SEAL, AND GREEK LETTERS: These drawings can be used for all printing purposes. Price: \$3 each.

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STATIONERY: The use of official Tau Beta Pi stationery is recommended to all chapters. The name of the chapter, its institution, and city, state, and zip will appear on the letterheads and envelopes. Three weeks for delivery; prices available.

STOLES: White satin graduation collar embroidered with Bent, \$18.

TREASURER'S BOOK: Small, looseleaf notebook with 1/2" rings for bookkeeping sheets; \$10 each. The bookkeeping sheets and a copy of Tau Beta Pi's official bookkeeping system are available at no charge.

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THE BULLETIN OF TAU BETA PI

(ISSN 8755-5670)

Vol. LXXII September 1998 No. 1

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of Tau Beta Pi
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